IN THE CLAIMS

For the convenience of the Examiner, all pending claims of the present Application are shown below in numerical order whether or not an amendment has been made and applying the revised amendment practice of 37 CFR 1.121 – IFW Final Rule.

1. **(Currently Amended)** A method for transmitting data, comprising:

receiving data at a first data transfer rate;

buffering the data into a plurality of sequential frames of a predetermined length of time;

arranging the frames into a byte of data; ~~**and**~~

transmitting the byte of data to a communication bus operable to receive data packets at a second data transfer rate **[[,]]** **;**

determining the second data transfer rate divided by the first data transfer rate; and

~~**wherein the byte is repetitively transmitted**~~ **repetitively transmitting the byte** a number of times greater than one and equal to the second data transfer rate divided by the first data transfer rate.

2. **(Original)** The method of Claim 1, wherein:

the first data transfer rate comprises approximately sixteen or thirty-two kilobits per second; and

the second data transfer rate comprises sixty-four kilobits per second.

3. **(Currently Amended)** The method of Claim 1, wherein the predetermined length of time comprises approximately **[[0.125]]** **one hundred twenty-five** microseconds.

4. **(Original)** The method of Claim 1, wherein the byte of data comprises an eight-bit byte of data.

5. **(Original)** The method of Claim 1, wherein the number of times comprises two or four times.

6. **(Original)** The method of Claim 1, further comprising:

receiving the byte of data at a processor;

buffering the byte of data into a plurality of samples; and

retrieving one of a subset of the plurality of samples, wherein the subset of the plurality of samples includes a number of samples equal to the second data transfer rate divided by the first data transfer rate.

7. **(Currently Amended)** A system, comprising:

a receiver operable to receive data packets at a first data transfer rate;

a processor operable to buffer the data into a plurality of sequential frames of a predetermined length of time and to arrange the frames into a byte of data; ~~and~~

the processor being further operable to determine a second data transfer rate divided by the first data transfer rate; and

a transmitter operable to transmit the byte of data an integer number of times greater than one and equal to **[[a]]** **the** second data transfer rate divided by the first data transfer rate.

8. **(Original)** The system of Claim 7, further comprising a signal processor operable to receive the byte of data, buffer the byte of data into a plurality of samples and retrieve one of a subset of the samples, the subset including a number of samples greater than one and equal to the second data transfer rate divided by the first data transfer rate.

9. **(Original)** The system of Claim 7, wherein the first data transfer rate comprises approximately sixteen, or thirty-two kilobits per second.

10. **(Currently Amended)** The system of Claim 7, wherein the frames comprise approximately **[[0.125]]** **one hundred twenty-five** microsecond frames.

11. **(Original)** The system of Claim 7, wherein the byte of data comprises an eight-bit byte of data.

12. **(Original)** The system of Claim 7, wherein the second data transfer rate comprises approximately sixty-four kilobits per second.

13. **(Original)** The system of Claim 7, wherein the integer number of times comprises two or four times.

14. **(Currently Amended)** A method, comprising:

receiving a plurality of bytes of data at a first data transfer rate, from a device operable to receive data at a second data transfer rate and transmit the bytes of data at the first data transfer rate;

determining the first data transfer rate divided by the second data transfer rate;

buffering the bytes of data into a plurality of samples; and

subsampling one of a subset of the plurality of samples, wherein the subset of the plurality of samples includes a number of samples greater than one and equal to the ~~second~~ **first** data transfer rate divided by the ~~first~~ **second** data transfer rate.

15. **(Original)** The method of Claim 14, wherein the first data transfer rate comprises approximately sixty-four kilobits per second.

16. **(Original)** The method of Claim 14, wherein the second data transfer rate comprises sixteen or thirty-two kilobits per second.

17. **(Original)** The method of Claim 14, wherein the number of samples comprises two or four samples.

18. **(Currently Amended)** A system, comprising:

a receiver operable to receive bytes of data at a first data transfer rate; and

a processor operable to **determine the first data transfer rate divided by a second data transfer rate,** buffer the bytes of data into a plurality of samples and subsample one of a subset of the plurality of samples, wherein the subset of the plurality of samples includes an integer number of samples greater than one and equal to ~~a second~~ **the first** data transfer rate divided by the ~~first~~ **second** data transfer rate.

19. **(Original)** The system of Claim 18, wherein the central processing unit comprises a digital signal processor.

20. **(Original)** The system of Claim 18, wherein the first data transfer rate comprises approximately sixty-four kilobits per second.

21. **(Original)** The system of Claim 18, wherein the number of samples comprises two or four samples.

22. **(Currently Amended)** A system for processing transactions, comprising:

a computer-readable medium; and

a computer program encoded on the computer-readable medium, the computer program operable to receive data at a first data transfer rate, buffer the data into a plurality of sequential frames of a predetermined length of time, pack the frames into a byte of data, ~~and~~ transmit the byte of data to a communication bus operable to receive data at a second data transfer rate, **determine the second data transfer rate divided by the first data transfer rate, and** wherein the byte is repetitively transmitted an integer number of times greater than one and equal to the second data transfer rate divided by the first data transfer rate.

23. **(Currently Amended)** A system for processing transactions, comprising:

a computer-readable medium; and

a computer program encoded on the computer-readable medium, the computer program operable to receive a plurality of bytes of data at a first data transfer rate, from a device operable to receive data at a second data transfer rate and transmit the bytes of data at the first data transfer rate, buffer the bytes of data into a plurality of samples, **determine the first data transfer rate divided by the second data transfer rate,** and subsample one of a subset of the plurality of samples, wherein the subset of the plurality of samples includes a number of samples greater than one and equal to the ~~second~~ **first** data transfer rate divided by the ~~first~~ **second** data transfer rate.